

Department of Natural Resources  
DIVISION OF FISH AND GAME  
State of California

BUREAU OF MARINE FISHERIES - M V N.B.SCOFIELD  
Cruise Report

Cruise: Cruise 4 of the N.B.SCOFIELD for 1951

Sailed: May 3, 1951 from San Francisco

Returned: May 14, 1951 to San Francisco

Locality: Coastal waters from San Francisco to the mouth of the Klamath River off Northern California and return.

Purpose: To tag salmon and to improve methods of handling and tagging salmon.

Report: Ten stations were fished and 101 salmon caught. Thirty-three kings and two silver salmon were tagged south of Pt. Arena. Twenty-six kings and seven silver salmon were tagged north of Pt. Arena.

Techniques to reduce tagging injuries to the fish were studied. Experiments were conducted with the tips of the barbs of the hooks bent parallel to the shank. These hooks were easier to remove than standard ones and did less damage to the fish. They appeared to hold just as well but the data are too limited to prove this point. On the trip, size 8/0 hooks appeared to do more damage than smaller hooks. The data on this point are not conclusive.

Methods of handling live fish on deck with a minimum of injury were also studied.

Scientific Personnel: Howard McCully, Biologist